

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method for producing a transgenic cotton plant comprising the steps of:

(a) obtaining cotton petiole explants,

(b) exposing the petiole explants to a culture of *Agrobacterium tumefaciens* that harbors a vector comprising an exogenous gene and a selectable marker, the *Agrobacterium* being capable of effecting the stable transfer of the exogenous gene and selection agent resistance gene to the genome of the cells of the petiole explant,

(c) culturing the petiole explants in medium containing low concentrations of plant hormones to induce callus formation,

(d) selecting a transformed callus that expresses the exogenous gene,

(e) culturing the selected callus in suspension culture to induce formation of embryoids, and

(f) regenerating an embryoid to obtain a transgenic cotton plant.

*DO NOT FILE  
APR  
8/09/05*